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L12	11	("ASN.1") and (CASE adj tool)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/13 16:59



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Ron D. Jenkins

May 1999 **International Journal of Network Management**, Volume 9 Issue 3Full text available: pdf(494.08 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The increasing use of network monitoring and the growth of the Internet and intranets are converging trends that make IP network infrastructures the logical means of delivering network monitoring, using browser -based clients. Copyright © 1999 John Wiley & Sons, Ltd.

**2** [Papers: Independent active program representation using ASN. 1](#)

Brad Williamson, Craig Farrell

April 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 2Full text available: pdf(1.31 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

The future success of computer communications will largely depend on how effectively applications achieve their desired quality of service (QoS). Active networks move closer to the goal of application specified QoS by allowing user-specified network related computation to be *injected* into the network elements. Although research into active networks is in its infancy, one area that has not yet received much attention is the representation of active programs. The Active Network Encapsulatio ...

**3** [A SPIN-based model checker for telecommunication protocols](#)

Vivek K. Shanbhag, K. Gopinath

May 2001 **Proceedings of the 8th international SPIN workshop on Model checking of software**Full text available: pdf(167.49 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Telecommunication protocol standards have in the past and typically still use both an English description of the protocol (sometimes also followed with a behavioural and SDL model) and an ASN.1 specification of the data-model, thus likely making the specification incomplete. ASN.1 is an ITU/ISO data definition language which has been developed to describe abstractly the values protocol data units can assume; this is of considerable interest for model checking as subtyping in ASN.1 can be used ...

**4** [Shield: vulnerability-driven network filters for preventing known vulnerability exploits](#)

Helen J. Wang, Chuanxiong Guo, Daniel R. Simon, Alf Zugenmaier

August 2004 **ACM SIGCOMM Computer Communication Review**, **Proceedings of the 2004 conference on Applications, technologies, architectures, and protocols for computer communication**, Volume 34 Issue 4Full text available: pdf(242.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)